

## CLAIMS

The invention is claimed as follows:

1. A data recording and reproducing apparatus comprising: means for recording and reproducing divided data for recording a plurality of divided data  
5 obtained through dividing input data by a predetermined unit on a first non-linear accessible recording medium, while reproducing the divided data recorded on the first recording medium; and  
means for recording and reproducing error-correcting-code data for generating a plurality of error-correcting-code data for the divided data to  
10 record the error-correcting-code data on a second non-linear accessible recording medium, while reproducing the error-correcting-code data recorded on the second non-linear accessible recording medium.
2. A data recording and reproducing apparatus according to claim 1,  
15 wherein:  
the means for recording and reproducing divided data records the divided data on the respective first non-linear accessible recording media; and  
the means for recording and reproducing error-correcting-code data records the error-correcting-code data on the respective second non-linear  
20 accessible recording media.
3. A data recording and reproducing apparatus according to claim 1, wherein the error-correcting-code data is Read-Solomon code data.
- 25 4. A data recording and reproducing apparatus according to claim 1, wherein the non-linear accessible recording medium is a hard disk.

5. A data recording and reproducing apparatus according to claim 1, further comprising error-correcting means for outputting the divided data which has been restored based on the divided data and the error-correcting-code data if the divided data to be reproduced is not obtained, the divided data  
5 being reproduced by the means for recording and reproducing the divided data and inputted to the error-correcting means, and the error-correcting-code data being reproduced by the means for recording and reproducing the error-correcting-code data and inputted to the error-correcting means.

10 6. An AV server comprising:

a plurality of input/output processing means for converting data including visual and audio data inputted from outside to data which can be recorded on a non-linear accessible recording medium, while outputting the data outputted from the recording medium after converting the data to data  
15 which can be outputted outside;

means for recording and reproducing divided data for recording a plurality of divided data obtained through dividing data outputted from each of the input/output processing means on a first non-linear accessible recording medium, while reproducing the divided data recorded on the first non-linear accessible recording medium; and means for recording and reproducing error-correcting-code data for generating a plurality of error-correcting-code data for the divided data to record the error-correcting-code data on a second non-linear accessible recording medium while reproducing the error-correcting-code data recorded on the second non-linear accessible recording medium..  
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7. A method of recording and reproducing data including: a first step of recording a plurality of divided data obtained through dividing input data by a predetermined unit on a first non-linear accessible recording medium, while generating a plurality of error-correcting-code data for the divided data to  
5 record the error-correcting code data on a second non-linear accessible recording medium; and a second step of reproducing the divided data recorded on the first non-linear accessible recording medium in the first step, while reproducing the error-correcting-code data recorded on the second non-linear accessible recording medium.

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8. A method of recording and reproducing data according to claim 7, wherein in the first step the divided data is recorded on the respective first non-linear accessible recording media, while the error-correcting-code data is recorded on the respective second non-linear accessible recording media.

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9. A method of recording and reproducing data according to claim 7, wherein the error-correcting-code data is Read-Solomon code data.

10. A method of recording and reproducing data according to claim 7,  
20 wherein the first and the second non-linear accessible recording media are hard disks.

11. A method of recording and reproducing data according to claim 7 further including a third step of outputting the divided data which has been  
25 restored based on the divided data and the error-correcting-code data if the divided data to be reproduced is not obtained, the divided data and the error-correcting-code data being reproduced in the second step and inputted.